

AMENDMENT TO THE CLAIMS

1. (currently amended) A cable assembly comprising:

an insulating housing defining a plurality of channels;

a plurality of circuit boards juxtaposed in corresponding channels of the housing; and

a plurality of high-speed cables and a plurality of low-speed cables terminated to corresponding circuit boards and arranged in such a manner that the plurality of low-speed cables are surrounded by the plurality of high-speed cables; wherein

the high-speed cables are used for transmitting differential pairs of signals and the low-speed cables are used for transmitting single-ended signals; wherein

each high-speed cable comprises a pair of wires and a grounding wire; wherein

the low-speed cables are arranged in pairs, each low-speed cable comprising an insulated, conductive core, a metal braid outside the insulated, conductive core, and a protective jacket enclosing the metal braid; wherein

at least two of the circuit boards terminate with only high-speed cables; wherein

at least one of the circuit boards terminates with both high-speed cables and low-speed cables; wherein

a cable clamp binds the cables terminated to a common circuit board together; wherein

the cable clamp comprises a first and a second stamped metallic sections clamping opposite sides of the cables; wherein

the first section defines a plurality of rooms and the second section depresses

the cables into the rooms, further comprising a first fastening element and wherein each cable clamp defines a through hole for insertion of the first fastening element, further comprising a second fastening element and wherein each circuit board defines a first through hole and the housing defines a pair of second through holes aligned with the first through holes for insertion of the second fastening element, further comprising a cover having first and second halves jointed together and being attached to the housing, the cover defining a bore extending through the first and the second halves.

2-12. (canceled)

13. (currently amended) The cable assembly as described in claim [[12]] 1, further comprising a third fastening element inserting through the bore of the cover.

14. (currently amended) A cable assembly comprising:
an insulating housing defining a plurality of channels;
a plurality of outer circuit modules oppositely arranged in the housing, each outer circuit module comprising a circuit board received in a corresponding channel of the housing, a plurality of high-speed cables terminated to the circuit board, and a grounding plate attached to one side of the circuit board opposite to the high-speed cables; and
a plurality of inner circuit modules sandwiched by the outer circuit modules, each inner circuit module comprising a circuit board received in a corresponding channel of the housing, at least two high-speed cables electrically connecting to the circuit board, a plurality of low-speed cables arranged between the at least two high-speed cables and terminated to the circuit board, and a grounding plate attached to one side of the circuit board opposite to the at least two high-speed cables and the low-speed cables;

wherein

the high-speed cables are used for transmitting differential pairs of signals and the low-speed cables are used for transmitting single-ended signals; wherein

each high-speed cable comprises a pair of wires and a grounding wire wherein

the low-speed cables are arranged in pairs, each low-speed cable comprising an insulated, conductive core, a metal braid outside the insulated, conductive core, and a protective jacket outside the metal braid; wherein

each circuit module further comprises a cable clamp bonding the cables together, further comprising a cover cooperating with the housing.

15-21. (canceled)